## WHAT IS CLAIMED IS:

- 1. A weight member for a golf club head, the weight member being made by a WFeNi alloy manufactured by means of a precision casting process, the WFeNi alloy comprising wt 15%-40% of iron, wt 30%-60% of nickel, wt 15%-30% of tungsten, wt 1.5%-10.0% of chromium, and wt 0.5%-5.0% of molybdenum.
- 2. The weight member for a golf club head as claimed in claim 1, wherein the mixture ratio of molten tungsten to molten nickel satisfies a solidus curve as follows:

Y = 1.26X - 38.99%

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Wherein Y is the percentage of tungsten by weight, and Y is not less than X.

- 3. The weight member for a golf club head as claimed in claim 1, further comprising silicon of less than 1.5%.
- 4. The weight member for a golf club head as claimed in claim 1, further comprising at least one component for improving a mechanical property of the weight member.
  - 5. The weight member for a golf club head as claimed in claim 4, wherein said at least one component includes manganese of less than 1.0%, copper of less than 4.0%, vanadium of less than 1.0%, and niobium of less than 1.0%.
    - 6. The weight member for a golf club head as claimed in claim 1,

wherein the WFeNi alloy has a density of 9.0g/cm<sup>3</sup>-10.5g/cm<sup>3</sup>.

- 7. The weight member for a golf club head as claimed in claim 1, wherein the WFeNi alloy has a melting point of 1400℃-1500℃.
- 8. The weight member for a golf club head as claimed in claim 1, further including at least one trace element.
  - 9. The weight member for a golf club head as claimed in claim 8, wherein said at least one trace element includes sulfur of less than 0.1%, phosphorus of less than 0.1%, and carbon of less than 0.1%.